



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

VEOLIA WATER INDIANAPOLIS Water Main Installation in Two Neighborhoods STATE REVOLVING FUND PROJECT DW 09 49 49 01

DATE: September 11, 2009

TARGET PROJECT APPROVAL DATE: October 12, 2009

I. INTRODUCTION

The above entity has applied to the Drinking Water State Revolving Fund (DWSRF) Loan Program for a loan to finance all or part of the drinking water project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA, which can also be viewed at <http://www.in.gov/ifa/srf/>.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The DWSRF has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

Max Henschen
Senior Environmental Manager
State Revolving Fund
100 N. Senate Ave. IGCN 1275
Indianapolis, IN 46204
317-232-8623; mhensche at ifa.in.gov

ENVIRONMENTAL ASSESSMENT

I. PROJECT IDENTIFICATION

Project Name and Address:	Water Main Installation Preliminary Eng. Rpt. Projects 4 & 5 Indianapolis Water Veolia 1220 Waterway Blvd. Indianapolis, IN 46202
SRF Project Number:	DW 09 49 49 01
Authorized Representative:	James Steele, Interim Director

II. PROJECT LOCATION

Coburn Avenue and 64th Street Area (Preliminary Engineering Report [PER] Project 3):

The proposed water main installation project is located in the northeast portion of the city of Indianapolis; see Figure 1. The first segment runs along 64th Street between Coburn Avenue and Grandview Drive. The segment is located in Section 33, Township 17 North, Range 3 East of the Indianapolis West USGS Quadrangle map. The second segment runs along Coburn Avenue between Fox Hill Drive and 62nd Street and a half block east of Coburn Avenue along 62nd Street. That segment is located in Washington Township, Section 3 Township 16 North, Range 3 East of the Indianapolis West USGS Quadrangle map. See Figure 2.

Hickory Lane Area (PER Project 4): The proposed water main installation project is located in the southern portion of Indianapolis; see Figure 1. The segments are located along Hickory Lane from Lindenwood Drive to just west of East Street, along Lindenwood Drive from Hickory Lane to Webb Drive, along Bennington Road from Lindenwood Drive to just west of Lindenwood Drive, along US 31 from approximately 7073 US 31 to 7155 US 31, and finally along both North and South Meadow Vue Court. The project is located in Perry Township, Section 13, Township 14 North, Range 3 East of the Maywood USGS Quadrangle map. See Figure 3.

III. PROJECT NEED AND PURPOSE

Coburn Avenue and 64th Street Area: Residents within this project area are currently serviced by private wells for water supply. On a number of occasions, residents have requested potable water service to address water quality issues and allow for increased fire protection within the area. This project will provide potable water services to residents within the project area, eliminating the private wells and increasing fire protection capacity.

Hickory Lane Area: Residents within this project area also currently use by private wells and have requested potable water service. This project will provide potable water services to residents within the project area, eliminating the private wells and increasing fire protection capacity.

IV. PROJECT DESCRIPTION

Coburn Avenue and 64th Street Area:

- 1,320 ft. of 6-inch water main along 64th Street between Coburn Avenue and Grandview Drive;
- 1,580 ft. of 8-inch water main along Coburn Avenue between Fox Hill Drive and 62nd Street and a half block east of Coburn Avenue along 62nd Street.

Hickory Lane Area:

- 1,455 ft. of 6-inch ductile iron pipe along North Meadow Vue Court and South Meadow Vue Court;
- 52 ft. of 8-inch ductile iron pipe along Bennington Road from Lindenwood Drive to just west of Lindenwood Drive;
- 1,240 ft. of 8-inch ductile iron pipe along Lindenwood Drive from Hickory Lane to Webb Drive;
- 560 ft. of 8-inch ductile iron pipe along Hickory Lane from Lindenwood Drive to just west of East Street;
- 570 ft. of 8-inch ductile iron pipe along US 31 from approximately 7073 US 31 to 7155 US 31.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Estimated Cost Summary

Coburn Avenue and 64th Street Area:

1. Construction	\$245,000
2. Design Engineering	16,400
3. Construction Inspection	<u>10,900</u>
Estimated Cost	\$272,300

Hickory Lane Area:

1. Construction	\$504,300
2. Design Engineering	33,600
3. Construction Inspection	<u>22,400</u>
Estimated Cost	\$560,300

Total Estimated Project Cost \$832,600

- B.** Indianapolis Water will finance the project with a 20-year loan from the State Revolving Fund (SRF) Loan Program at an interest rate to be determined at the time of loan closing. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

Coburn Avenue and 64th Street Area:

No Action: As above, this alternative was rejected.

Water Main Installation: This alternative also includes installing new 6-inch and 8-inch ductile iron pipe along residential streets within the project area. This is the selected alternative.

Hickory Lane Area:

No Action: This alternative would take no action regarding requests to provide potable water to the area and would not address potential health and safety concerns related to untreated groundwater and the need for improved fire protection. For these reasons, this alternative was not considered further.

Water Main Installation: This alternative includes installing new 6-inch and 8-inch ductile iron pipe in the project area. Upon completion of this project, residents will have potable water and the health and public safety concerns will be addressed. This is the selected alternative.

VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

A. Direct Impacts of Construction and Operation

Undisturbed/Disturbed Land: All work associated with each project area will occur on previously disturbed land in existing rights-of-way beneath or immediately adjacent to roads.

Structural Resources (Figures 4 and 5):

Coburn Avenue and 64th Street Area: An English Cottage c1930 house at 6404 Grandview (labeled 05103 on Figure 4) contributes to the historic character of the area, but will not be adversely affected by the project.

Hickory Lane Area: There are few known historic or architectural sites located near the proposed project.

If any visual or audible impacts to historic sites occur, they will be temporary and will not alter the characteristics that qualify historic properties for inclusion in or eligibility for the State or National registers in a manner that would diminish the integrity of the property. Our Section 106 finding, pursuant to the National Historic Preservation Act, is: "no historic properties affected".

Surface Waters, Wetlands, 100-Year Floodplain: The project will not require stream crossings and there are no wetlands or 100-year floodplains in the project areas.

Groundwater: There will be no significant impacts to groundwater as a result of these projects. Dewatering of trenches may temporarily affect local groundwater supply. Veolia Water's PER states: *Provisions will be made to supply water to affected persons during any interruptions to the water supply.*

Plants and Animals: These projects will not affect endangered species or their habitat. No trees will be affected in either project area. In correspondence dated August 13, 2009, Veolia water stated: *Only the southern portion of Coburn Avenue is within an area with trees. In this area, the watermain will be directionally drilled (trenchless construction) to avoid impacts to the trees.*

Prime Farmland: These projects will not affect prime farmland.

Air Quality: Construction activities may generate some noise, fumes, and dust normally resulting from such activity. The adverse impacts caused by dust may be alleviated by periodically wetting the exposed soil and unpaved roadways to reduce the suspension of particles. To reduce noise impacts, work activities can be limited to normal daytime hours. The dust, fumes, and noise are short-term impacts, lasting only during the construction phase. Construction activities should not impact ozone, airborne pollutants, or other current or future air quality concerns.

Open Space and Recreational Opportunities: The proposed projects will neither create nor destroy open space or recreational opportunities.

B. Indirect Impacts

Veolia Water's PER, as it relates to both water main installation projects, states: *Indianapolis DOW, through the authority of its Board, planning commission, or other means will ensure that future developments, as well as future supply, storage, distribution, or treatment works projects connecting to SRF-funded facilities will not adversely impact wetlands, archaeological/historical/structural resources, or other sensitive environmental resources. Indianapolis DOW will require new development and treatment works projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities.*

C. Comments from Environmental Review Authorities

In correspondence dated March 20, 2009, the Natural Resources Conservation Service stated that the project *will not cause a conversion of prime farmland.*

This document is the first notice to the U.S. Fish and Wildlife Service, the IDNR Environmental Unit (EU) and the IDNR Division of Historic Preservation and Archaeology (DHPA).

VIII. MITIGATION MEASURES

The city's PER states:

The project will be implemented to minimize impact to non-endangered species and their habitat.

The program shall meet applicable federal, state, and local laws, ordinances, and standards pertaining to storm water management, sediment, and erosion control.

Mitigation measures will include that dewatering flows be routed through a filter bag prior to discharge or will otherwise not introduce high levels of suspended solids to a surface water.

Ground disturbance from construction will be repaired and returned to its previous state once completed.

Any mitigation measures cited in comment letters will be implemented.

IX. PUBLIC PARTICIPATION

A properly noticed Public Hearing was held on March 13, 2009, 9:00 am, at the Indianapolis Water General Office, 1220 Waterway Blvd. There were no written comments received by the utility during the 5-day period following the public hearing.

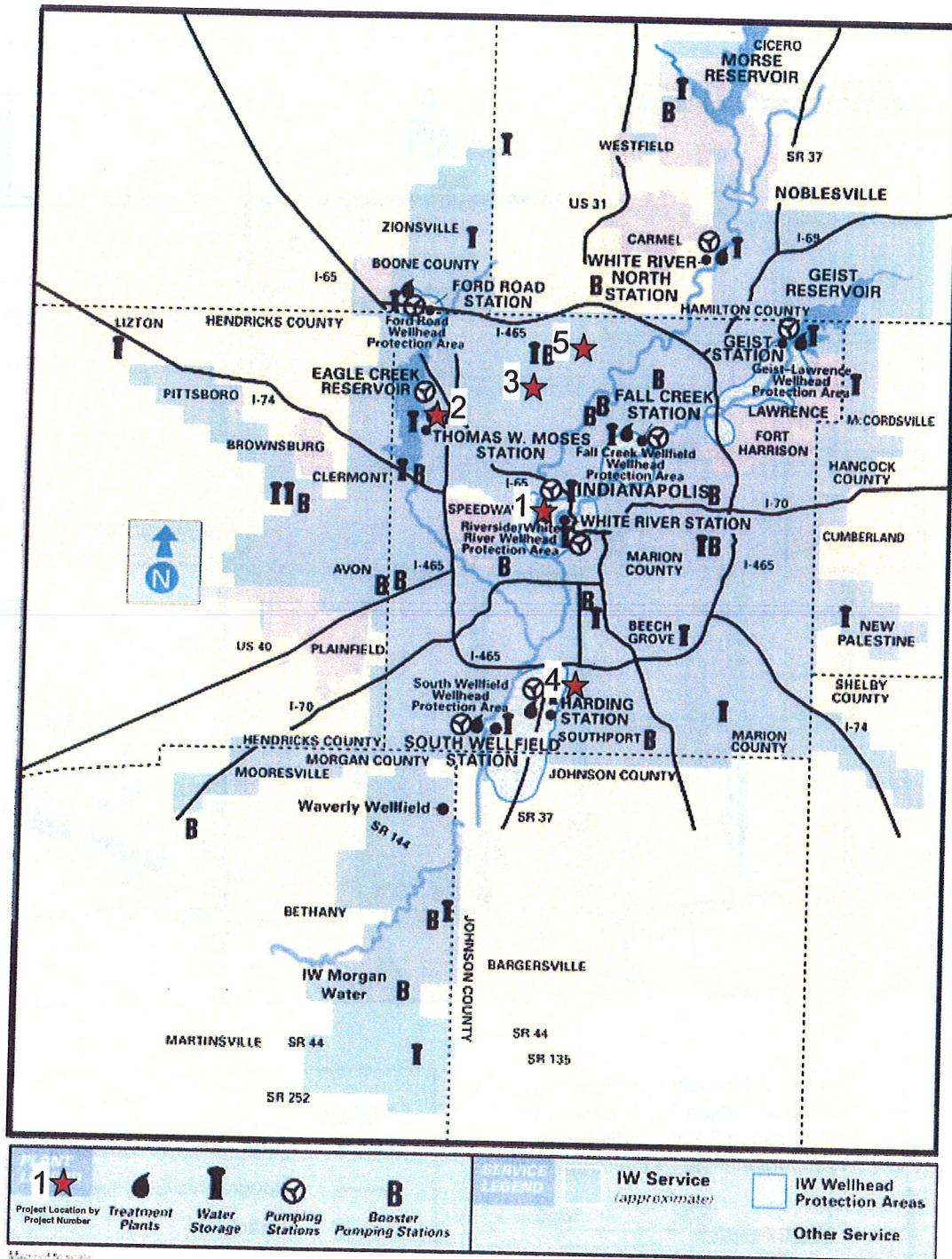
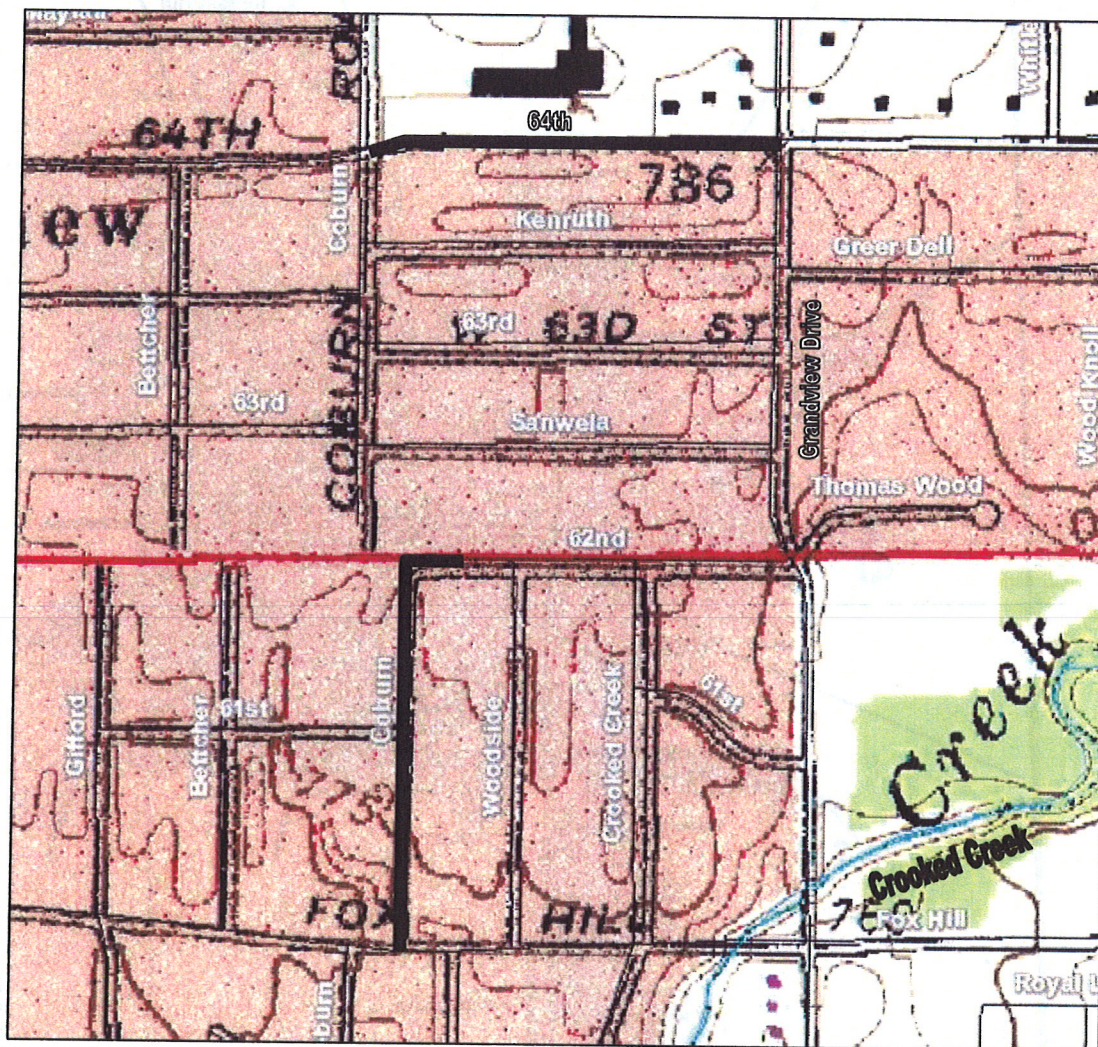


FIGURE 1: Locations of Projects 3 and 4

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Section 3, Township 16 North, Range 3 East, and Section 33, Township 17 North, Range 3 East, Indianapolis West, Indiana USGS Quadrangle Map

0 500 1000
DISTANCE IN FEET

LEGEND




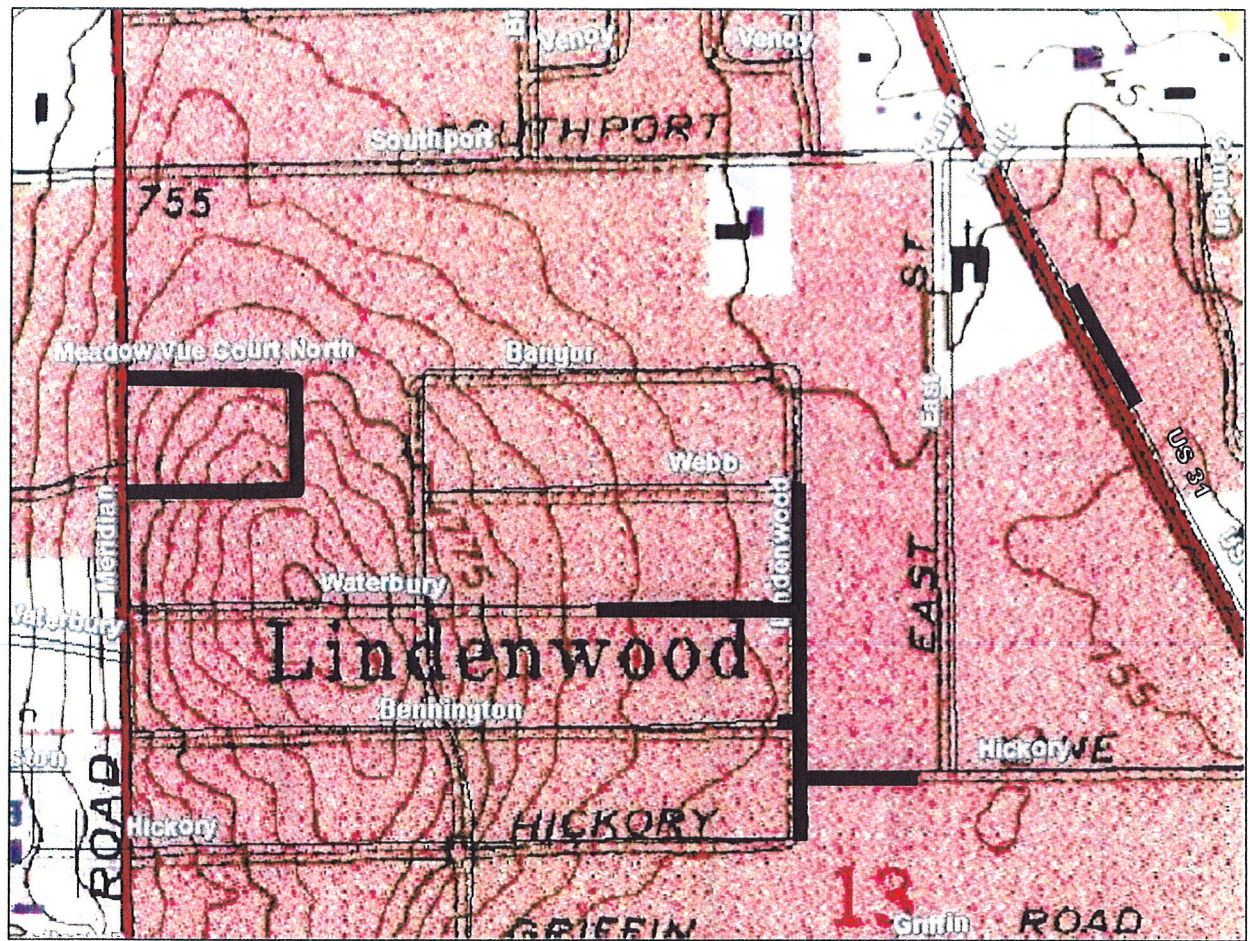
-  Water Main Installation
-  Topographic Contour
-  Stream

FIGURE 2: Project 3 Proposed Water Line Installation








Section 13 Township 14 North, Range 3
East, Maywood, Indiana USGS Quadrangle
Map



0 1000 2000
DISTANCE IN FEET

LEGEND

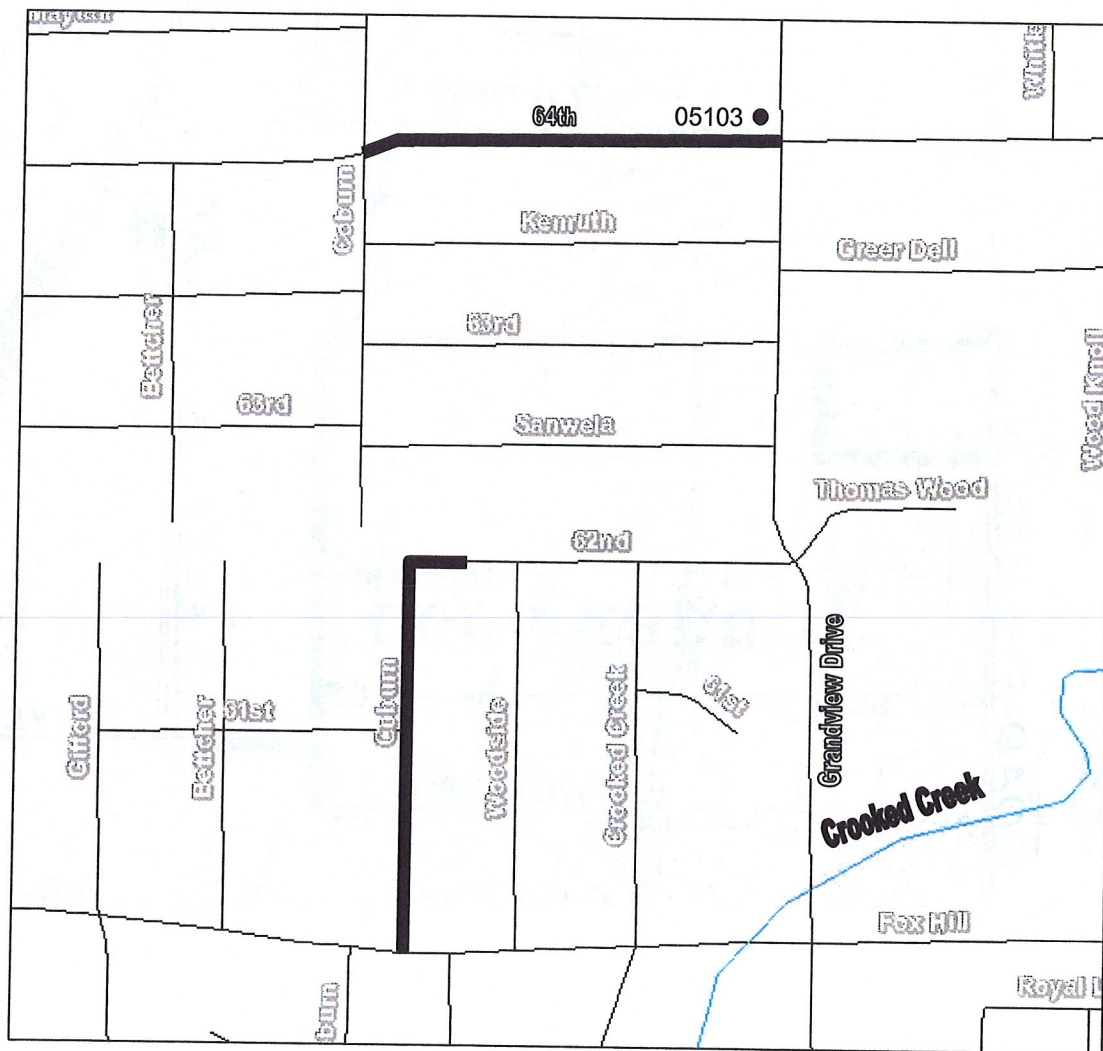
-  Water Main Replacement
-  Topographic Contour
-  Stream (None in Project Area)

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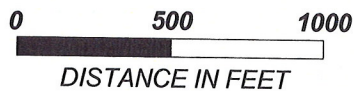
FIGURE 3: Project 4 Proposed Water Line Installation





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Marion County, Washington
Township – Scattered Sites Sector 4
(Sites #05096-155)



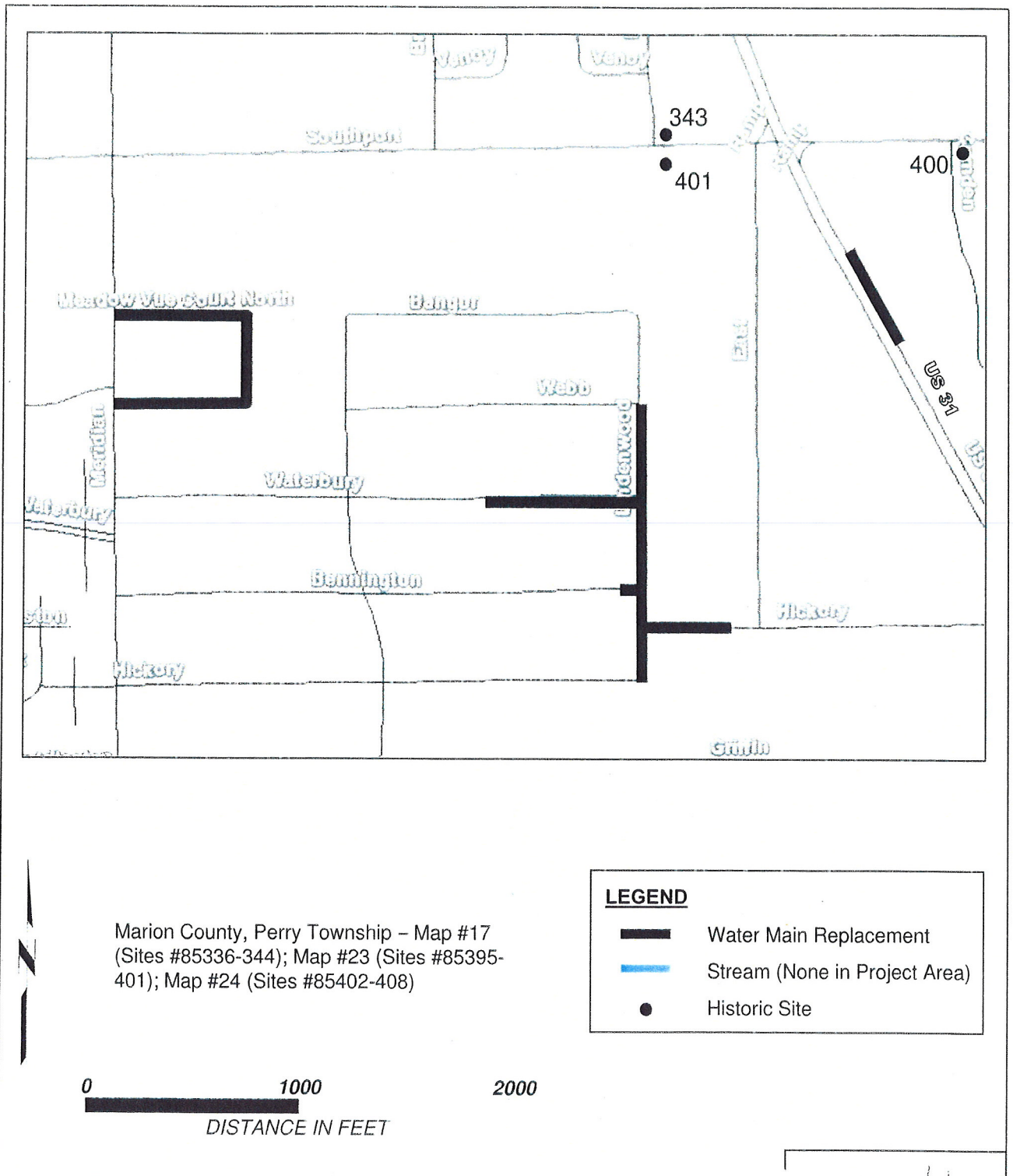
LEGEND

-  Water Main Installation
-  Stream
-  Historic Site

**FIGURE 4: Project 3 Historic Sites Map from Washington Township Interim Report
Indiana Historic Structures Inventory**



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**FIGURE 5: Project 4 Historic Sites Map from Perry Township Interim Report
Indiana Historic Structures Inventory**

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